PATENT COOPERATION TREATY

From the

INTERNATIONAL	SEARCHING	ALITHORITY

To: LEE, Young-Pil		PCT			
The Cheonghwa Bldg. 1571-18 Seocho-dong, Seocho-gu, Seoul 137-874, Republic of Korea		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
		(PCT Rule 43bis.1)			
		Date of mailing (day/month/year) 26 JULY 2004 (26.07.2004)			
Applicant's or agent's file reference HC-21864-PCT		FOR FURTHER ACTION See paragraph 2 below			
International application No. PCT/KR2004/000942	International filing date 23 APRIL 2004 (23				
International Patent Classification (IPC) IPC7_F04B 27/08	or both national classifica	ation and IPC			
Applicant HALLA CLIMATE CONTRO	L CORPORATION	l et al			
1. This opinion contains indications relating to the following items: Box No. 1					

Name and mailing address of the ISA/KR



Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2004/000942

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material a sequence listing table(s) related to the sequence listing
b. format of material in wirtten format in computer readable form
c. time of filing/furnishing
contained in the international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additioanl copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	1-8	YES
	Claims		NO NO
Inventive step (IS)	Claims	1-8	YES
	Claims		NО
Industrial applicability (IA)	Claims	1-8	YES
	Claims		NO

2. Citations and explanations:

Reference is made to the following documents:

D1: JP 2001-280253 A D2: JP 2001-200785 A

1. Novelty

Claims 1-8 relate to a motor-driven swash plate compressor capable of preventing the decrease in the efficiency of a motor by maintaining the discharging pressure at a certain level, improving lubrication of a sliding portion of a swash plate chamber, and cooling the motor by introducing a coolant into a motor chamber.

D1 and D2 do not disclose a front housing, a previous intake chamber for sucking in a first compressed coolant, and a plurality of duplex pistons which perform reciprocating motion according to the inclination of a swash plate of a rear housing which has a following discharge chamber for discharging a second compressed coolant.

Therefore, claims 1-8 meet the criteria set forth in PCT Araticle 33(2) in respect of novelty.

2. Inventive Step

D1 discloses the technical features of a multistage compressor comprising a previous stage compressing element (30), a following stage compressing element (40), a motor (20), and a following stage connecting pipe (16).

D2 discloses the technical features of an electrically driven swash plate compressor comprising a motor chamber (15), an electric motor (12), a swash plate (22), connecting passages (39; 42), and an intake chamber (31).

(Continued on Supplemental Sheet.)

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Supplemental Box							
In case the space in Continuation of:	any of the preced	ing boxes is not suffi	cient.				
Box V.							
are not disclosed in	D1 and D2. Accord	udes the technical feat dingly, claim 1 is diffe from said difference a	erent from said de				ch
	meets the criteria se eria set forth in PCT	et forth in PCT Article Article 33(3).	33(3) in respect	of inventive ste	p, and claims 2-8	dependent on clain	1.
3. Industrial Applic	ability						
Claims 1-8 which r	elate to a motor-driv	ven swash plate comp	ressor meet the c	riteria set forth i	n PCT Article 3	3(4).	
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